## Appendix A

## Appendix B

```
<?xml version="1.0" encoding="utf-8"?>
 <EntityMap xmlns:xsd="http://www.w3.org/2001/XMLSchema"</pre>
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 ClassName="Microsoft.EntityTests.Customer" ParentName="" BaseName=""
 IsOnParentRow="false" Concurrency="Entity" SchemaVersion="Latest
 Version">
   <Root Index="0" FieldName="customer" PropertyName="Customer"</pre>
 IsKeyField="false" LegalDirections="Both"
 ClassName="Microsoft.EntityTests.Customer">
     <LeafField Index="0" FieldName="address" PropertyName="Address"</pre>
 MemberPath="/" FullPath="Customer\Address (string)"
 FieldTypeName="string" IsKeyField="false" LegalDirections="Both"
 ClassName="Microsoft.EntityTests.Customer" />
     <LeafField Index="0" FieldName="city" PropertyName="City"</pre>
MemberPath="/" FullPath="Customer\City (string) " FieldTypeName="string"
 IsKeyField="false" LegalDirections="Both"
ClassName="Microsoft.EntityTests.Customer" />
     <LeafField Index="0" FieldName="companyName"</pre>
PropertyName="CompanyName" MemberPath="/"
FullPath="Customer\CompanyName (string)" FieldTypeName="string"
IsKeyField="false" LegalDirections="Both"
ClassName="Microsoft.EntityTests.Customer" />
  <- <LeafField Index="0" FieldName="contactName"</pre>
PropertyName="ContactName" MemberPath="/"
FullPath="Customer\ContactName (string)" FieldTypeName="string"
IsKeyField="false" LegalDirections="Both"
ClassName="Microsoft.EntityTests.Customer" />
    <LeafField Index="0" FieldName="postalCode"</pre>
PropertyName="PostalCode" MemberPath="/" FullPath="Customer\PostalCode
(string) " FieldTypeName="string" IsKeyField="false"
LegalDirections="Both" ClassName="Microsoft.EntityTests.Customer" />
    <LeafField Index="0" FieldName="region" PropertyName="Region"</pre>
MemberPath="/" FullPath="Customer\Region (string)"
FieldTypeName="string" IsKeyField="false" LegalDirections="Both"
ClassName="Microsoft.EntityTests.Customer" />
  </Root>
  <EntityKeyMap ClassName="Customer+Key">
    <DataMoves>
      <ToColumnMove Directions="Both"
ClassName="Microsoft.EntityTests.Customer">
        <Inputs>
          <LeafField Index="0" FieldName="customerID"</pre>
PropertyName="CustomerID" FullPath="Customer\Customer+Key\CustomerID
(string) " FieldTypeName="string" IsKeyField="false"
LegalDirections="Both" ClassName="Microsoft.EntityTests.Customer" />
        </Inputs>
        <Outputs>
          <Column FullPath="dbserver\Northwind\Customers\CustomerID
(nchar, 5)" ServerName="dbserver" DatabaseName="Northwind"
TableName="Customers" ColumnName="CustomerID" IsDBGenerated="false"
IsEager="false" IgnoreUpdateConflicts="false" DataType="nchar(5)"
DefaultValue="" IsKeyPart="true" Index="0" />
        </Outputs>
      </ToColumnMove>
```

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</DataMoves>
    </EntityKeyMap>
    <DataMoves>
      <ToColumnMove Directions="Both"
 ClassName="Microsoft.EntityTests.Customer">
       <Inputs>
          <LeafField Index="0" FieldName="address" PropertyName="Address"</pre>
 MemberPath="/" FullPath="Customer\Address (string)"
 FieldTypeName="string" IsKeyField="false" LegalDirections="None"
 ClassName="Customer" />
       </Inputs>
       <Outputs>
         <Column FullPath="dbserver\Northwind\Customers\Address
 (nvarchar, 60) " ServerName="dbserver" DatabaseName="Northwind"
 TableName="Customers" ColumnName="Address" IsDBGenerated="false"
 IsEager="false" IgnoreUpdateConflicts="false" DataType="nvarchar(60)"
 DefaultValue="" IsKeyPart="false" Index="0" />
       </Outputs>
     </ToColumnMove>
     <ToColumnMove Directions="Both"
ClassName="Microsoft.EntityTests.Customer">
       <Inputs>
         <LeafField Index="0" FieldName="city" PropertyName="City"</pre>
 MemberPath="/" FullPath="Customer\City (string) " FieldTypeName="string"
 IsKeyField="false" LegalDirections="None" ClassName="Customer" />
       </Inputs>
       <Outputs>
         <Column FullPath="dbserver\Northwind\Customers\City (nvarchar,
 15) " ServerName="dbserver" DatabaseName="Northwind"
TableName="Customers" ColumnName="City" IsDBGenerated="false"
IsEager="false" IgnoreUpdateConflicts="false" DataType="nvarchar(15)"
DefaultValue="" IsKeyPart="false" Index="0" />
       </Outputs>
     </ToColumnMove>
     <ToColumnMove Directions="Both"
ClassName="Microsoft.EntityTests.Customer">
      <Inputs>
        <LeafField Index="0" FieldName="companyName"</pre>
PropertyName="CompanyName" MemberPath="/"
FullPath="Customer\CompanyName (string)" FieldTypeName="string"
IsKeyField="false" LegalDirections="None" ClassName="Customer" />
      </Inputs>
      <Outputs>
        <Column FullPath="dbserver\Northwind\Customers\CompanyName
(nvarchar, 40) " ServerName="dbserver" DatabaseName="Northwind"
TableName="Customers" ColumnName="CompanyName" IsDBGenerated="false"
IsEager="false" IgnoreUpdateConflicts="false" DataType="nvarchar(40)"
DefaultValue="" IsKeyPart="false" Index="0" />
      </Outputs>
    </ToColumnMove>
    <ToColumnMove Directions="Both"
ClassName="Microsoft.EntityTests.Customer">
      <Inputs>
        <LeafField Index="0" FieldName="contactName"</pre>
PropertyName="ContactName" MemberPath="/"
FullPath="Customer\ContactName (string)" FieldTypeName="string"
IsKeyField="false" LegalDirections="None" ClassName="Customer" />
```

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</Inputs>
       <Outputs>
         <Column FullPath="dbserver\Northwind\Customers\ContactName</pre>
 (nvarchar, 30) " ServerName="dbserver" DatabaseName="Northwind"
 TableName="Customers" ColumnName="ContactName" IsDBGenerated="false"
 IsEager="false" IgnoreUpdateConflicts="false" DataType="nvarchar(30)"
DefaultValue="" IsKeyPart="false" Index="0" />
       </Outputs>
     </ToColumnMove>
     <ToColumnMove Directions="Both"
ClassName="Microsoft.EntityTests.Customer">
       <Inputs>
         <LeafField Index="0" FieldName="postalCode"</pre>
PropertyName="PostalCode" MemberPath="/" FullPath="Customer\PostalCode
 (string) " FieldTypeName="string" IsKeyField="false"
LegalDirections="None" ClassName="Customer" />
      </Inputs>
      <Outputs>
        <Column FullPath="dbserver\Northwind\Customers\PostalCode"
(nvarchar, 10) " ServerName="dbserver" DatabaseName="Northwind"
TableName="Customers" ColumnName="PostalCode" IsDBGenerated="false"
IsEager="false" IgnoreUpdateConflicts="false" DataType="nvarchar(10)"
DefaultValue="" IsKeyPart="false" Index="0" />
      </Outputs>
    </ToColumnMove>
    <ToColumnMove Directions="Both"
ClassName="Microsoft.EntityTests.Customer">
      <Inputs>
        <LeafField Index="0" FieldName="region" PropertyName="Region"</pre>
MemberPath="/" FullPath="Customer\Region (string)"
FieldTypeName="string" IsKeyField="false" LegalDirections="None"
ClassName="Customer" />
      </Inputs>
      <Outputs>
        <Column FullPath="dbserver\Northwind\Customers\Region
(nvarchar, 15) " ServerName="dbserver" DatabaseName="Northwind"
TableName="Customers" ColumnName="Region" IsDBGenerated="false"
IsEager="false" IgnoreUpdateConflicts="false" DataType="nvarchar(15)"
DefaultValue="" IsKeyPart="false" Index="0" />
      </Outputs>
    </ToColumnMove>
  </DataMoves>
</EntityMap>
```